

Datasheet: STAR120F

Description:	GOAT ANTI MOUSE IgG (Fc):FITC
Specificity:	IgG (Fc)
Format:	FITC
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			1/50 - 1/500
Immunohistology - Frozen	▪			1/50 - 1/500
Immunohistology - Paraffin			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Mouse						
Product Form	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid						
Max Ex/Em	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>FITC</td> <td>490</td> <td>525</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	FITC	490	525
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FITC	490	525					

Antiserum Preparation Antisera to mouse IgG were raised by repeated immunisations of goats with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide
Stabilisers	0.2% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

**External Database
Links**

UniProt:

P01869	Related reagents
P01865	Related reagents
P03987	Related reagents
P01867	Related reagents
P01864	Related reagents
P01868	Related reagents
P01863	Related reagents

Entrez Gene:

16017	Ighg1	Related reagents
380793	Igh-1a	Related reagents
16016	Ighg2b	Related reagents
16017	Ighg1	Related reagents
380793	Igh-1a	Related reagents
380795	AI324046	Related reagents
380793	Igh-1a	Related reagents

Synonyms Igh-4

RRID AB_567027

Specificity **Goat anti mouse IgG (Fc) polyclonal antibody** reacts with mouse IgG at an epitope localised to the Fc region as assessed by immunoelectrophoresis and ELISA. Cross reactivity with IgA and IgM is negligible.

Goat anti mouse IgG (Fc) polyclonal antibody may cross react with IgG from other species.

Flow Cytometry Use 50ul of the suggested working dilution to label 10⁶ cells in 100ul.

References

1. Nejsum, P. *et al.* (2009) Population dynamics of *Trichuris suis* in trickle-infected pigs. [Parasitology. 136: 691-7.](#)
2. Yuan, T. *et al.* (2010) Chondrogenic differentiation and immunological properties of mesenchymal stem cells in collagen type I hydrogel. [Biotechnol Prog. 26 \(6\): 1749-58.](#)
3. Wegmann, F. *et al.* (2011) A Novel Strategy for Inducing Enhanced Mucosal HIV-1 Antibody Responses in an Anti-Inflammatory Environment [PLoS One. 6\(1\):e15861.](#)
4. Wegmann F *et al.* (2015) The carbomer-lecithin adjuvant Adjuplex™ has potent immune activating properties and elicits protective adaptive immunity against influenza challenge in mice. [Clin Vaccine Immunol. pii: CVI.00736-14.](#)
5. Liu, Z. *et al.* (2016) Partial protective immunity against toxoplasmosis in mice elicited by recombinant *Toxoplasma gondii* malate dehydrogenase. [Vaccine. 34 \(7\): 989-94.](#)
6. Swaffer, M.P. *et al.* (2016) CDK Substrate Phosphorylation and Ordering the Cell Cycle. [Cell. 167 \(7\): 1750-1761.e16.](#)
7. Trindade, A.B. *et al.* (2017) Mesenchymal-like stem cells in canine ovary show high differentiation potential. [Cell Prolif. 50\(6\):e12391.](#)

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9. Li, Y. *et al.* (2022) Low-Temperature Plasma-Activated Medium Inhibited Proliferation and Progression of Lung Cancer by Targeting the PI3K/Akt and MAPK Pathways. [Oxid Med Cell Longev. 2022: 9014501.](#)

Storage Store at +4°C. DO NOT FREEZE.
This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10041 available at:
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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